

ABSTRACT

This invention is provided to evaluate restitution characteristics of a golf club head with ease and high accuracy compared to conventional methods and devices. The method of this invention is at first acquiring a resonance frequency of the impact surface in a mass added state, which is obtained by affixing a mass regulating member having a known mass to the impact surface, and acquiring a resonance frequency of the impact surface in a non-mass added state, in which the mass regulating member is not affixed to the impact surface, by using a response signal of the impact surface due to the impact vibration; and next computing, by using the resonance frequencies acquired in the mass added state and the non-mass added state, a coefficient of restitution for the impact surface when the impact surface impacts a golf ball.